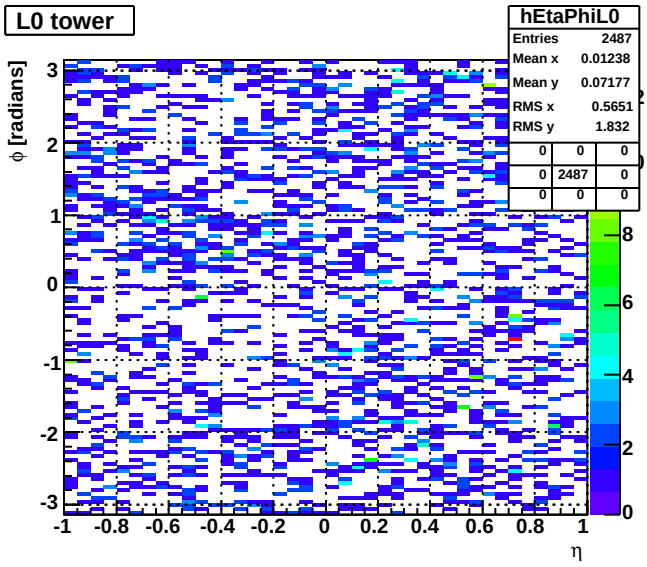
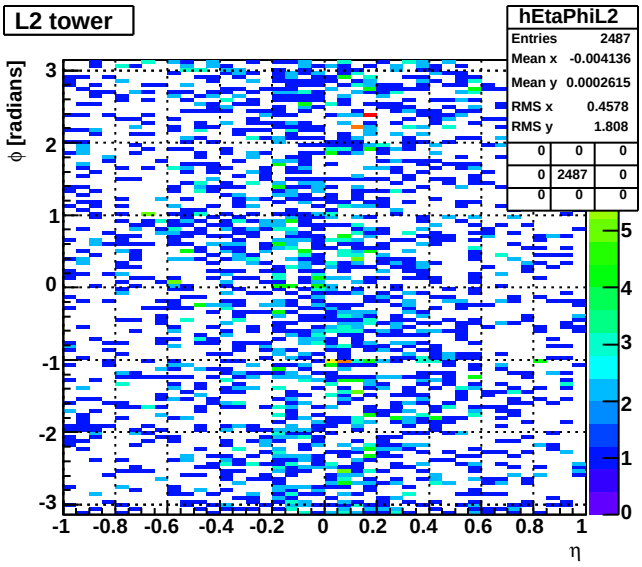
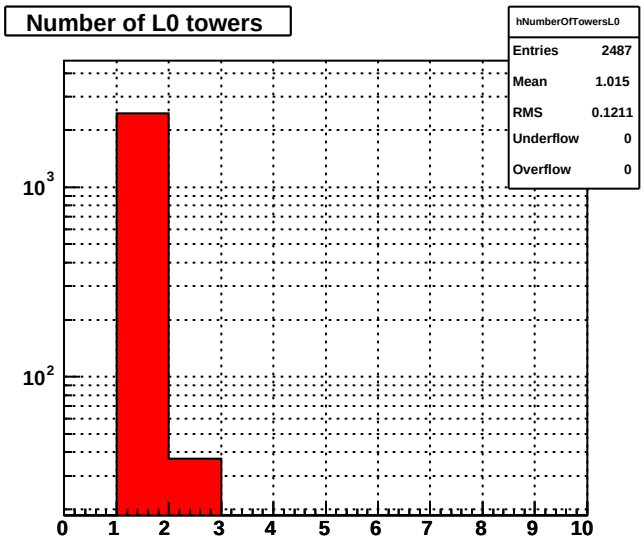
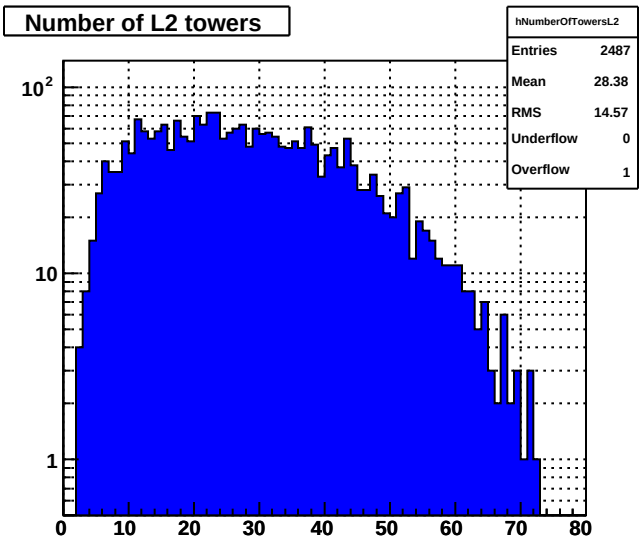
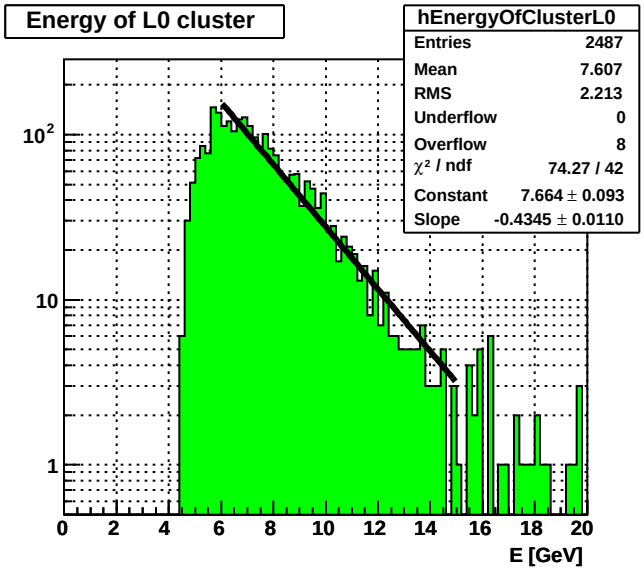
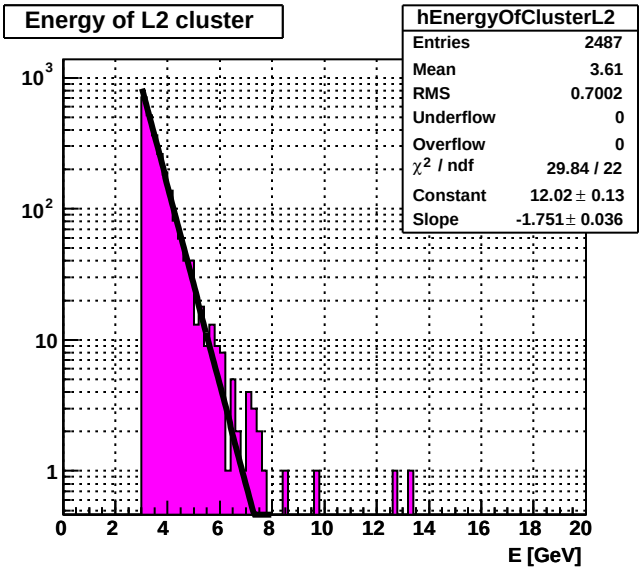

L0 tower
hEtaPhiL0
Entries 2487
Mean x 0.01238
Mean y 0.07177
RMS x 0.5651
RMS y 1.832
φ [radians]
η

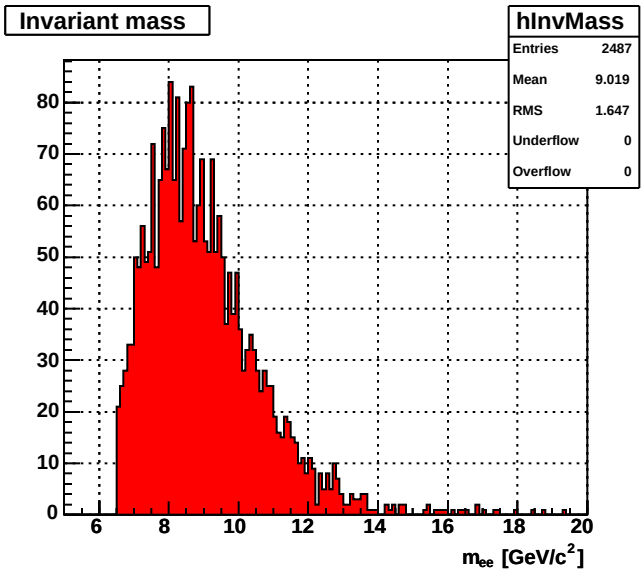

L2 tower
hEtaPhiL2
Entries 2487
Mean x -0.004136
Mean y 0.0002615
RMS x 0.4578
RMS y 1.808
φ [radians]
η

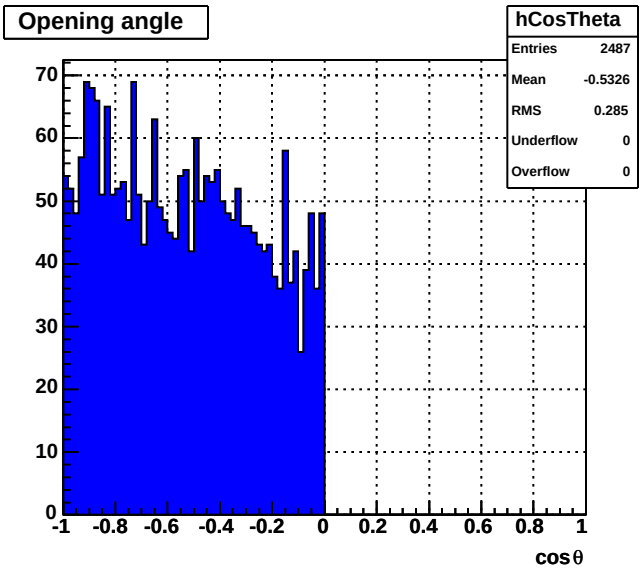

Number of L0 towers
hNumberOfTowersL0
Entries 2487
Mean 1.015
RMS 0.1211
Underflow 0
Overflow 0

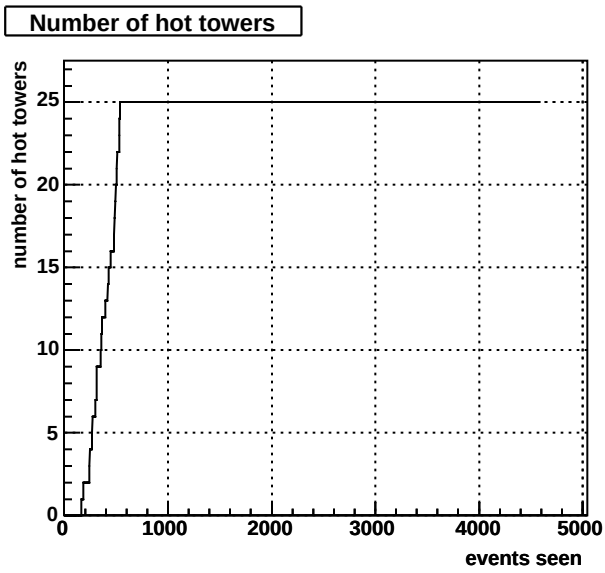

Number of L2 towers
hNumberOfTowersL2
Entries 2487
Mean 28.38
RMS 14.57
Underflow 0
Overflow 1

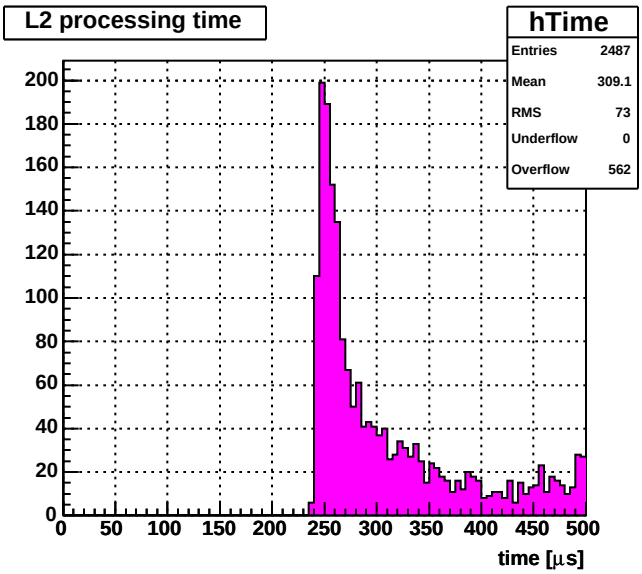

Energy of L0 cluster
hEnergyOfClusterL0
Entries 2487
Mean 7.607
RMS 2.213
Underflow 0
Overflow 8
χ² / ndf 74.27 / 42
Constant 7.664 ± 0.093
Slope -0.4345 ± 0.0110
E [GeV]

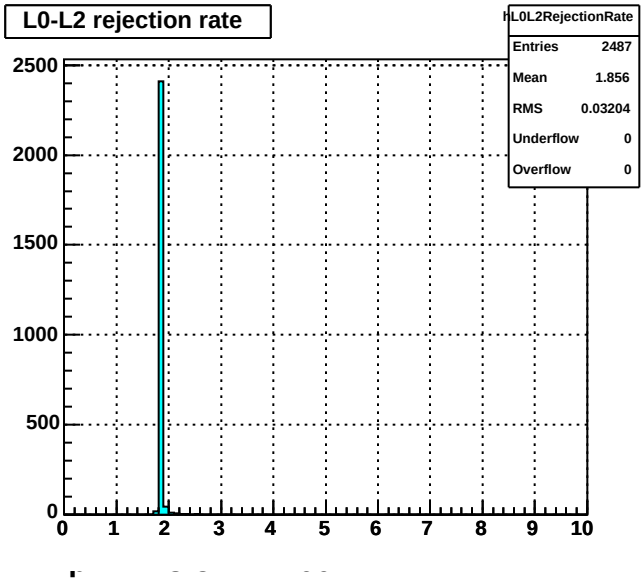

Energy of L2 cluster
hEnergyOfClusterL2
Entries 2487
Mean 3.61
RMS 0.7002
Underflow 0
Overflow 0
χ² / ndf 29.84 / 22
Constant 12.02 ± 0.13
Slope -1.751 ± 0.036
E [GeV]

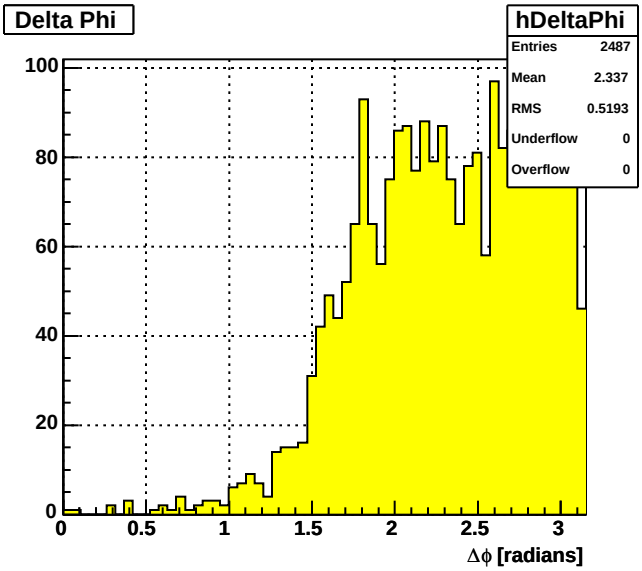

Invariant mass
hInvMass
Entries 2487
Mean 9.019
RMS 1.647
Underflow 0
Overflow 0
$m_{ee}$ [GeV/$c^2$]

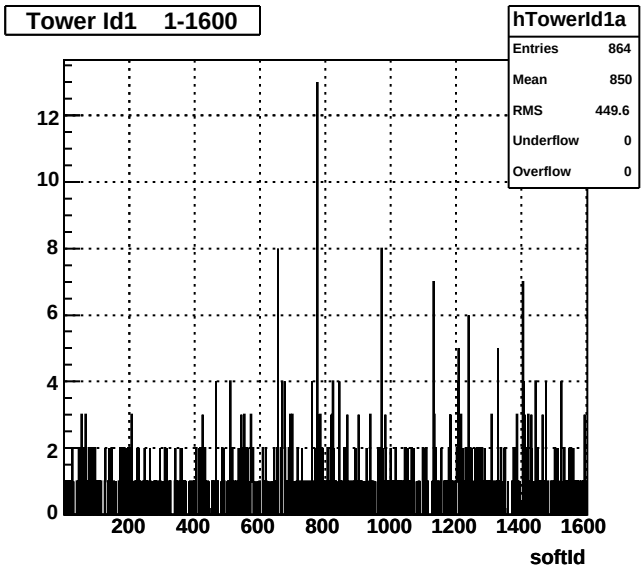

Opening angle
hCosTheta
Entries 2487
Mean -0.5326
RMS 0.285
Underflow 0
Overflow 0
cos θ

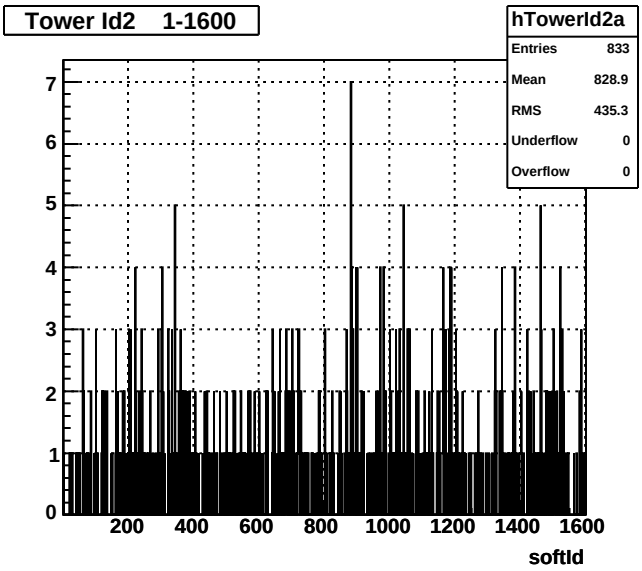

Number of hot towers
number of hot towers
events seen

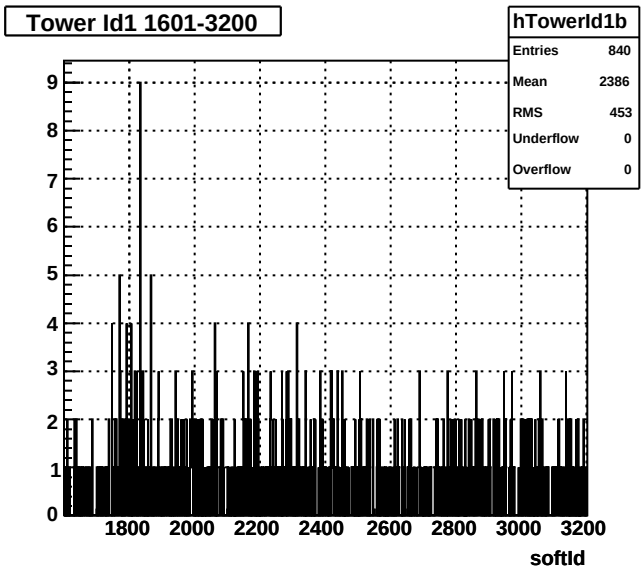

L2 processing time
hTime
Entries 2487
Mean 309.1
RMS 73
Underflow 0
Overflow 562
time [μs]

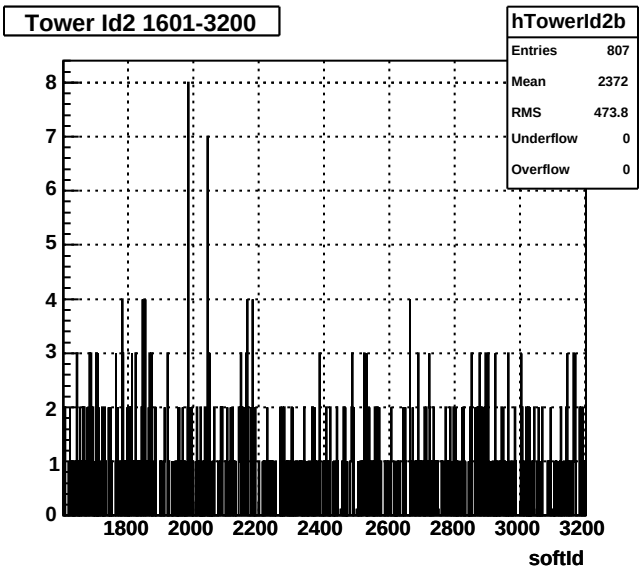

L0-L2 rejection rate
hL0L2RejectionRate
Entries 2487
Mean 1.856
RMS 0.03204
Underflow 0
Overflow 0

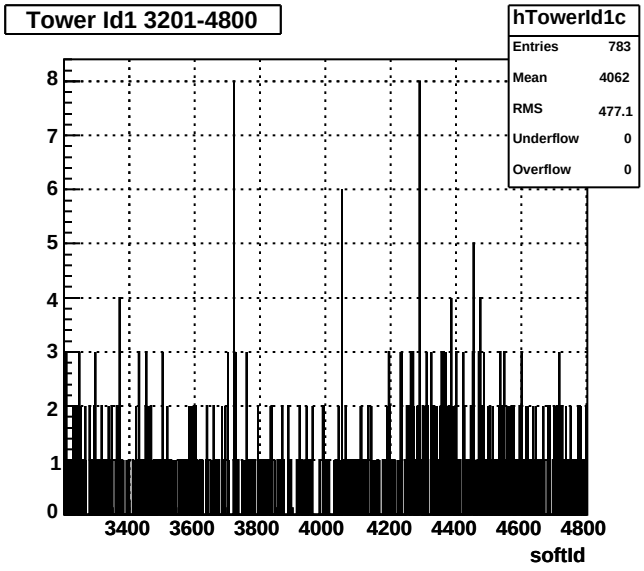

Delta Phi
hDeltaPhi
Entries 2487
Mean 2.337
RMS 0.5193
Underflow 0
Overflow 0
Δφ [radians]

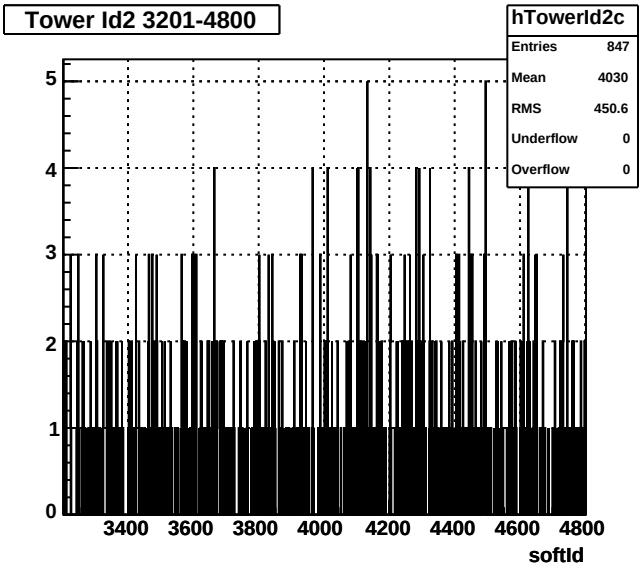

Tower Id1 1-1600
hTowerId1a
Entries 864
Mean 850
RMS 449.6
Underflow 0
Overflow 0
softId

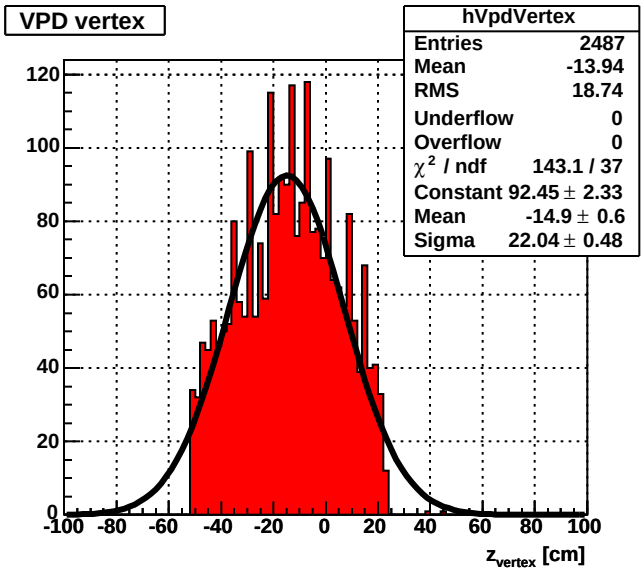

Tower Id2 1-1600
hTowerId2a
Entries 833
Mean 828.9
RMS 435.3
Underflow 0
Overflow 0
softId

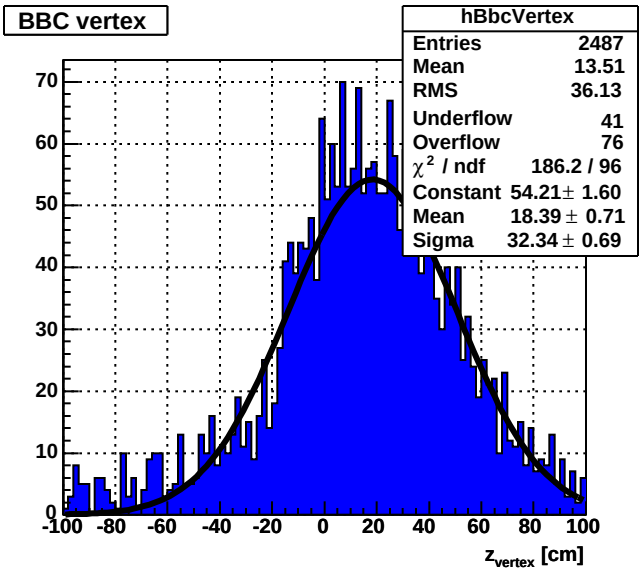

Tower Id1 1601-3200
hTowerId1b
Entries 840
Mean 2386
RMS 453
Underflow 0
Overflow 0
softId

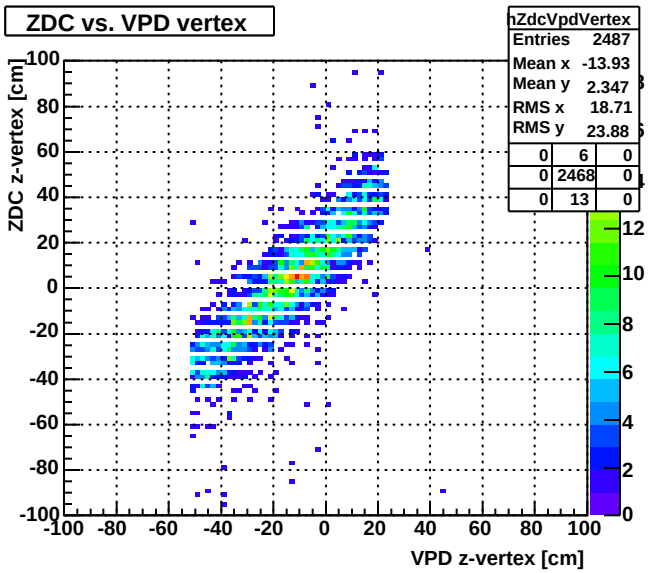

Tower Id2 1601-3200
hTowerId2b
Entries 807
Mean 2372
RMS 473.8
Underflow 0
Overflow 0
softId

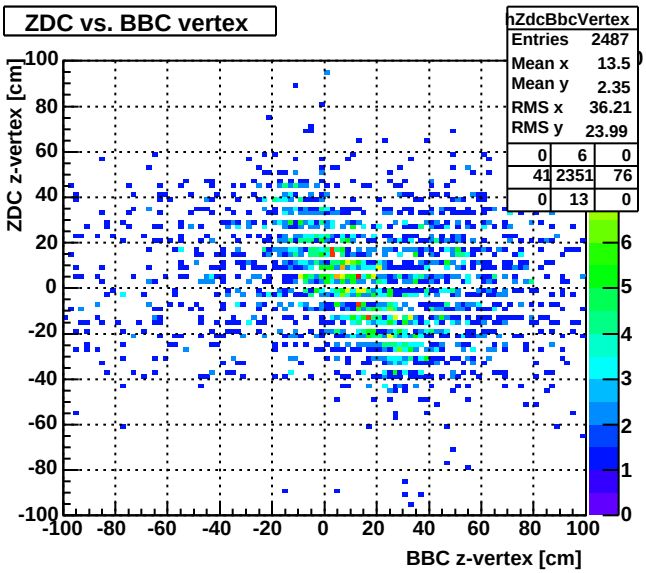

Tower Id1 3201-4800
hTowerId1c
Entries 783
Mean 4062
RMS 477.1
Underflow 0
Overflow 0
softId

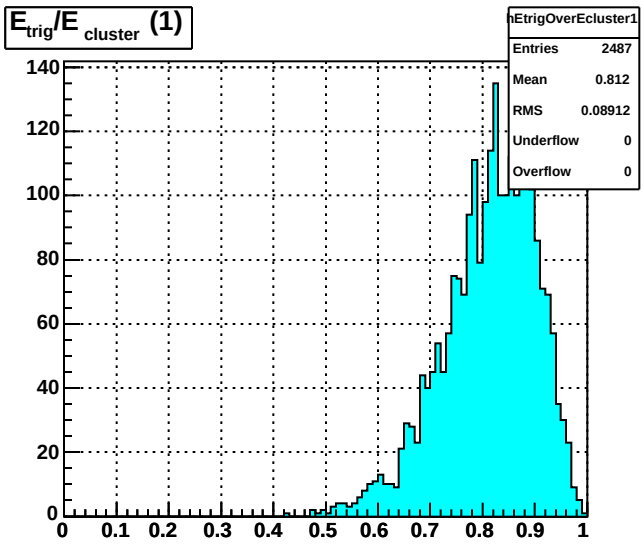

Tower Id2 3201-4800
hTowerId2c
Entries 847
Mean 4030
RMS 450.6
Underflow 0
Overflow 0
softId

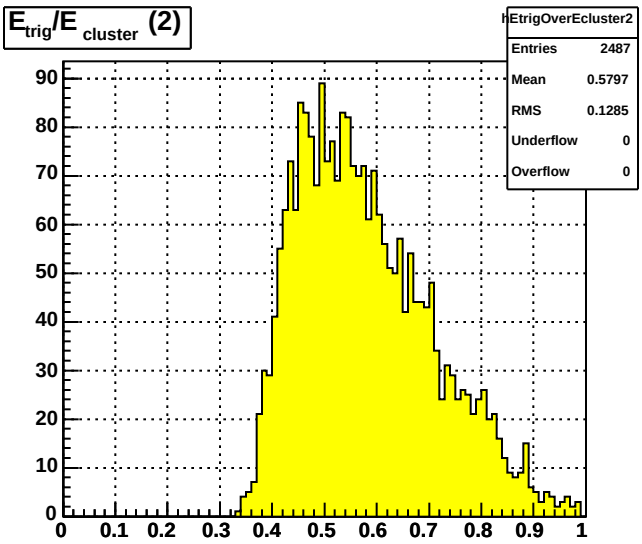

VPD vertex
hVpdVertex
Entries 2487
Mean -13.94
RMS 18.74
Underflow 0
Overflow 0
χ² / ndf 143.1 / 37
Constant 92.45 ± 2.33
Mean -14.9 ± 0.6
Sigma 22.04 ± 0.48
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 2487
Mean 13.51
RMS 36.13
Underflow 41
Overflow 76
χ² / ndf 186.2 / 96
Constant 54.21 ± 1.60
Mean 18.39 ± 0.71
Sigma 32.34 ± 0.69
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 2487
Mean x -13.93
Mean y 2.347
RMS x 18.71
RMS y 23.88
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 2487
Mean x 13.5
Mean y 2.35
RMS x 36.21
RMS y 23.99
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 2487
Mean 0.812
RMS 0.08912
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 2487
Mean 0.5797
RMS 0.1285
Underflow 0
Overflow 0